



10738-43s.ST25.txt
SEQUENCE LISTING

<110> Liggett, Stephen
Small, Kersten M.

<120> Alpha-2B-Adrenergic Receptor Polymorphisms

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<140> 09/692,077

<141> 2000-10-19

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<170> PatentIn version 3.2

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Val Ile Leu Ala Val Leu Thr Ser Arg Ser Leu Arg Ala Pro Gln Asn
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Leu Phe Leu Val Ser Leu Ala Ala Asp Ile Leu Val Ala Thr Leu
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Ile Ile Pro Phe Ser Leu Ala Asn Glu Leu Leu Gly Tyr Trp Tyr Phe
65 70 75 80

Arg Arg Thr Trp Cys Glu Val Tyr Leu Ala Leu Asp Val Leu Phe Cys
85 90 95

Thr Ser Ser Ile Val His Leu Cys Ala Ile Ser Leu Asp Arg Tyr Trp
 100 105 110

Ala Val Ser Arg Ala Leu Glu Tyr Asn Ser Lys Arg Thr Pro Arg Arg
 115 120 125

Ile Lys Cys Ile Ile Leu Thr Val Trp Leu Ile Ala Ala Val Ile Ser
 130 135 140

Leu Pro Pro Leu Ile Tyr Lys Gly Asp Gln Gly Pro Gln Pro Arg Gly
 145 150 155 160

Arg Pro Gln Cys Lys Leu Asn Gln Glu Ala Trp Tyr Ile Leu Ala Ser
 165 170 175

Ser Ile Gly Ser Phe Phe Ala Pro Cys Leu Ile Met Ile Leu Val Tyr
 180 185 190

Leu Arg Ile Tyr Leu Ile Ala Lys Arg Ser Asn Arg Arg Gly Pro Arg
 195 200 205

Ala Lys Gly Gly Pro Gly Gln Gly Glu Ser Lys Gln Pro Arg Pro Asp
 210 215 220

His Gly Gly Ala Leu Ala Ser Ala Lys Leu Pro Ala Leu Ala Ser Val
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Ala Ser Ala Arg Glu Val Asn Gly His Ser Lys Ser Thr Gly Glu Lys
 245 250 255

Glu Glu Gly Glu Thr Pro Glu Asp Thr Gly Thr Arg Ala Leu Pro Pro
 260 265 270

Ser Trp Ala Ala Leu Pro Asn Ser Gly Gln Gly Gln Lys Glu Gly Val
 275 280 285

Cys Gly Ala Ser Pro Glu Asp Glu Ala Glu Glu Glu Glu Glu Glu
 290 295 300

Glu Glu Glu Glu Glu Cys Glu Pro Gln Ala Val Pro Val Ser Pro Ala
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Ser Ala Cys Ser Pro Pro Leu Gln Gln Pro Gln Gly Ser Arg Val Leu
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Ala Thr Leu Arg Gly Gln Val Leu Leu Gly Arg Gly Val Gly Ala Ile
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Gly Gly Gln Trp Trp Arg Arg Arg Ala Gln Leu Thr Arg Glu Lys Arg
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Phe Thr Phe Val Leu Ala Val Val Ile Gly Val Phe Val Leu Cys Trp
370 375 380

Phe Pro Phe Phe Ser Tyr Ser Leu Gly Ala Ile Cys Pro Lys His
385 390 395 400

Cys Lys Val Pro His Gly Leu Phe Gln Phe Phe Trp Ile Gly Tyr
405 410 415

Cys Asn Ser Ser Leu Asn Pro Val Ile Tyr Thr Ile Phe Asn Gln Asp
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Val Ile Leu Ala Val Leu Thr Ser Arg Ser Leu Arg Ala Pro Gln Asn
35 40 45

Leu Phe Leu Val Ser Leu Ala Ala Ala Asp Ile Leu Val Ala Thr Leu
50 55 60

Ile Ile Pro Phe Ser Leu Ala Asn Glu Leu Leu Gly Tyr Trp Tyr Phe
65 70 75 80

Arg Arg Thr Trp Cys Glu Val Tyr Leu Ala Leu Asp Val Leu Phe Cys
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Thr Ser Ser Ile Val His Leu Cys Ala Ile Ser Leu Asp Arg Tyr Trp
100 105 110

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Ala Val Ser Arg Ala Leu Glu Tyr Asn Ser Lys Arg Thr Pro Arg Arg
115 120 125

Ile Lys Cys Ile Ile Leu Thr Val Trp Leu Ile Ala Ala Val Ile Ser
130 135 140

Leu Pro Pro Leu Ile Tyr Lys Gly Asp Gln Gly Pro Gln Pro Arg Gly
145 150 155 160

Arg Pro Gln Cys Lys Leu Asn Gln Glu Ala Trp Tyr Ile Leu Ala Ser
165 170 175

Ser Ile Gly Ser Phe Phe Ala Pro Cys Leu Ile Met Ile Leu Val Tyr
180 185 190

Leu Arg Ile Tyr Leu Ile Ala Lys Arg Ser Asn Arg Arg Gly Pro Arg
195 200 205

Ala Lys Gly Gly Pro Gly Gln Gly Glu Ser Lys Gln Pro Arg Pro Asp
210 215 220

His Gly Gly Ala Leu Ala Ser Ala Lys Leu Pro Ala Leu Ala Ser Val
225 230 235 240

Ala Ser Ala Arg Glu Val Asn Gly His Ser Lys Ser Thr Gly Glu Lys
245 250 255

Glu Glu Gly Glu Thr Pro Glu Asp Thr Gly Thr Arg Ala Leu Pro Pro
260 265 270

Ser Trp Ala Ala Leu Pro Asn Ser Gly Gln Gly Gln Lys Glu Gly Val
275 280 285

Cys Gly Ala Ser Pro Glu Asp Glu Ala Glu Glu Glu Glu Glu Glu
290 295 300

Glu Glu Cys Glu Pro Gln Ala Val Pro Val Ser Pro Ala Ser Ala Cys
305 310 315 320

Ser Pro Pro Leu Gln Gln Pro Gln Gly Ser Arg Val Leu Ala Thr Leu
325 330 335

Arg Gly Gln Val Leu Leu Gly Arg Gly Val Gly Ala Ile Gly Gly Gln
340 345 350

Trp Trp Arg Arg Arg Ala Gln Leu Thr Arg Glu Lys Arg Phe Thr Phe
355 360 365

Val Leu Ala Val Val Ile Gly Val Phe Val Leu Cys Trp Phe Pro Phe
370 375 380

Phe Phe Ser Tyr Ser Leu Gly Ala Ile Cys Pro Lys His Cys Lys Val
385 390 395 400

Pro His Gly Leu Phe Gln Phe Phe Trp Ile Gly Tyr Cys Asn Ser
405 410 415

Ser Leu Asn Pro Val Ile Tyr Thr Ile Phe Asn Gln Asp Phe Arg Arg
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Ala Phe Arg Arg Ile Leu Cys Arg Pro Trp Thr Gln Thr Ala Trp
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Ala Pro Cys Ala Ile Met Ile Leu Val Tyr Leu Arg Ile Tyr Leu Ile
20 25 30

Ala Lys Arg Ser Asn Arg Arg Gly Pro Arg Ala Lys Gly Gly Pro Gly
35 40 45

Gln Gly Glu Ser Lys Gln Pro Arg Pro Asp His Gly Gly Ala Leu Ala
50 55 60

Ser Ala Lys Leu Pro Ala Leu Ala Ser Val Ala Ser Ala Arg Glu Val
65 70 75 80

Asn Gly His Ser Lys Ser Thr Gly Glu Lys Glu Glu Gly Glu Thr Pro
85 90 95

Glu Asp Thr Gly Thr Arg Ala Leu Pro Pro Ser Trp Ala Ala Leu Pro
100 105 110

Asn Ser Gly Gln Gly Gln Lys Glu Gly Val Cys Gly Ala Ser Pro Glu
115 120 125

Asp Glu Ala Glu Cys
130 135 140

Glu Pro Gln Ala Val Pro Val Ser Pro Ala Ser Ala Cys Ser Pro Pro
145 150 155 160

Leu Gln Gln Pro Gln Gly Ser Arg Val Leu Ala Thr Leu Arg Gly Gln
165 170 175

Val Leu Leu Gly Arg Gly Val Gly Ala Ile Gly Gly Gln Trp Trp Arg
180 185 190

Arg Arg Ala Gln Leu Thr Arg Glu Lys Arg Phe Thr Phe Val Leu Ala
195 200 205

Val Val Ile Gly Val Phe Val Leu Cys Trp Phe Pro Phe Phe Ser
210 215 220

Tyr Ser Leu Gly Ala Ile Cys Pro Lys
225 230

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Substitute Sheet